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FIG. 1

$$R_1-X_2$$
 X_1
 $CH_2)_n$
 N
 R_3
 R_5
 R_5

FIG. 2

FIG. 3

$$R_{1}OOC \longrightarrow N=C=X_{3} \xrightarrow{NH_{3}} R_{1}OOC \xrightarrow{N} NH_{2} \qquad \underline{\underline{IV}}$$

$$R_{1}OOC-N=C=X_{3} \xrightarrow{NH_{3}} \qquad R_{1}OOC-N \longrightarrow NH_{2} \qquad \underline{\underline{V}}$$

$$EtO \longrightarrow R_{4}$$

$$EtO \longrightarrow R_{5}$$

$$R_{1}OOC \longrightarrow N \longrightarrow NH_{2} \qquad \underline{\underline{V}}$$

$$R_{2}OOC \longrightarrow N \longrightarrow NH_{2} \qquad \underline{\underline{V}}$$

$$R_{3}OOC \longrightarrow N \longrightarrow NH_{2} \qquad \underline{\underline{V}}$$

$$R_{4}OOC \longrightarrow N \longrightarrow NH_{2} \qquad \underline{\underline{V}}$$

$$R_{5}OOC \longrightarrow N \longrightarrow NH_{2} \qquad \underline{\underline{V}}$$

$$R_{1}OOC \longrightarrow N \longrightarrow NH_{2} \qquad \underline{\underline{V}}$$

$$R_{2}OOC \longrightarrow N \longrightarrow NH_{2} \qquad \underline{\underline{V}}$$

$$R_{3}OOC \longrightarrow N \longrightarrow NH_{2} \qquad \underline{\underline{V}}$$

$$R_{4}OOC \longrightarrow N \longrightarrow NH_{2} \qquad \underline{\underline{V}}$$

$$R_{5}OOC \longrightarrow N \longrightarrow NH_{2} \qquad \underline{\underline{V}}$$

$$R_{1}OOC \longrightarrow N \longrightarrow NH_{2} \qquad \underline{\underline{V}}$$

$$R_{2}OOC \longrightarrow N \longrightarrow NH_{2} \qquad \underline{\underline{V}}$$

$$R_{3}OOC \longrightarrow N \longrightarrow NH_{2} \qquad \underline{\underline{V}}$$

$$R_{4}OOC \longrightarrow NH_{2} \qquad \underline{\underline{V}}$$

$$R_{5}OOC \longrightarrow NH_{2} \qquad \underline{\underline{V}}$$

$$R_{5}OOC \longrightarrow NH_{2} \qquad \underline{\underline{V}}$$

$$R_{1}OOC \longrightarrow N \longrightarrow NH_{2} \qquad \underline{\underline{V}}$$

$$R_{2}OOC \longrightarrow NH_{2} \qquad \underline{\underline{V}}$$

$$R_{3}OOC \longrightarrow NH_{2} \qquad \underline{\underline{V}}$$

$$R_{4}OOC \longrightarrow NH_{2} \qquad \underline{\underline{V}}$$

$$R_{5}OOC \longrightarrow NH_{2} \qquad \underline{\underline{V}}$$

$$R_{1}OOC \longrightarrow NH_{2} \qquad \underline{\underline{V}}$$

FIG. 4

FIG. 5

HO HO H-N
$$R_2$$
 POCl₃ R_4 R_5 R_5 R_5 R_5 R_5 R_5 R_5 R_7 R_8 R_8 R_8 R_8 R_8 R_9 R_9

FIG. 6

FIG. 7